

20010528.qrp v02_n203.qrl.20010528

Date: Mon, 28 May 2001 19:03:12 EDT

From: qrp-l@Lehigh.EDU

To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>

Subject: QRP-L digest 2203

QRP-L Digest 2203

Topics covered in this issue include:

- 1) [98996] OT: What is it worth...
by "Mike Yetsko" <myetsko@insydesw.com>
- 2) [98997] F/S 509 Station
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- 3) [98998] FDIM or Bust QRP Bike trip (some highlights)
by "Ken La Rose" <kenlar@csolve.net>
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by "Mike Duke" <k5xu@concentric.net>
- 7) [99002] MH101: VFO and VR with o'scope shots
by John Wagner <john@neknetwork.com>
- 8) [99003] Re: Class D amplifiers
by "David Porter" <aa3ur@home.com>
- 9) [99004] Hoot Owl fun
by Macstein@aol.com
- 10) [99005] Belated Dayton 2K-1 comments - long
by "Joe Everhart" <n2cx@voicenet.com>
- 11) [99006] Re: The Wilderness SST - A Fresh Perspective (long)
by <mjfitz@uswest.net>
- 12) [99007] Wilderness Radio SST --- The Sequel
by Richard Arland <rarland@earthlink.net>
- 13) [99008] Tired Owl...no Hoot left...Closing shop
by "N7SG K7FD" <k7fd@hotmail.com>
- 14) [99009] Hoot Pw1 Sprint
by "Rod Cerkoney" <n0rc@hotmail.com>
- 15) [99010] K0EVZ Hoot Owl Short Sprint
by "Wilford D. Lindsey" <70511.3041@compuserve.com>
- 16) [99011] Hootie Hoot
by "Brian Murrey" <bmurrey@amexol.net>
- 17) [99012] CQ WPX and milliwatt totals
by "George Osier" <gosier@twcnny.rr.com>
- 18) [99013] Hoot Owl Sprint de AL7FS (long)
by Jim Larsen AL7FS <AL7FS@pobox.alaska.net>
- 19) [99014] Hootowl

- by Joseph Mikuckis <k3chp@erols.com>
- 20) [99015] USS Kidd Memorial Day operation
by n5ib@juno.com
- 21) [99016] WWVH on 10 and 15 MHz this morning
by "William Mabry" <n4qa@hotmail.com>
- 22) [99017] Yet another QRP sprint TONIGHT...
by "N7SG K7FD" <k7fd@hotmail.com>
- 23) [99018] WPX QRPp etc
by Larry Cahoon <lejek@erols.com>
- 24) [99019] Re: Class D amplifiers
by "Joe Everhart" <n2cx@voicenet.com>
- 25) [99020] 17mtr DSB - Modulator fixed!
by Bill Meara <n2cqr@clix.pt>
- 26) [99021] Manhattan style Construction Info
by Bill Miner <wg6h@postoffice.pacbell.net>
- 27) [99022] k2# 1874 problem solved!
by "Joel Kluender, NF9K" <nf9k@eudoramail.com>
- 28) [99023] Contest: WPX Results - K7RE
by Brian Kassel <bkassel@dancris.com>
- 29) [99024] MI-QRP Memorial Day sprint - NA logger
by <don.chisholm@home.com>
- 30) [99025] OT:FRS Suggestions
by Michael Bower <bowerm@ix.netcom.com>
- 31) [99026] Re: Hootie Hoot
by Ron D Doyle <n8var@juno.com>
- 32) [99027] More Audio Filters-Bencher and W9GR-II
by "James R. Duffey" <jamesd1@flash.net>
- 33) [99028] Keylite Orders
by Bob Kellogg <ae4ic@nr.infi.net>
- 34) [99029] Hoot Owl First Time
by PTSMANTUA@aol.com
- 35) [99030] 6 is open 1630z
by "Rod Cerkoney" <n0rc@hotmail.com>
- 36) [99031] Why No Hootowl
by "John L. Sielke" <w2agn@pobox.com>
- 37) [99032] RE: 6m NEWBIE NOTES
by trandall@idsi.net
- 38) [99033] more 6m NEWBIE Notes
by "Rod Cerkoney" <n0rc@hotmail.com>
- 39) [99034] Re: OT:FRS Suggestions
by "Bill Jones" <kd7s@psnw.com>
- 40) [99035] Re: 17mtr DSB - Modulator fixed!
by "Bill Jones" <kd7s@psnw.com>
- 41) [99036] Re: Class D amplifiers
by David Beach <dbeach@blvl.igs.net>
- 42) [99037] Re: more 6m NEWBIE Notes
by "laura halliday" <marsgal42@hotmail.com>
- 43) [99038] FS: Vectronics HF/VHF Analyzer VEC-584B

by "NZ8J" <timcook@erinet.com>
44) [99039] Hollingsworth at Dayton.
by Bill Stietenroth <k5zty@juno.com>

Date: Sun, 27 May 2001 19:07:48 -0400
From: "Mike Yetsko" <myetsko@insydesw.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [98996] OT: What is it worth...
Message-ID: <031601c0e701\$dfd16700\$0600a8c0@dad>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A friend offered me a deal on a small portable scope this weekend.

Only I have no idea what it's worth. It's neater than you can imagine!!

A Fluke 96. This is apparently an older version of what you seen in the Radio Shack catalog called the Fluke 123.

Battery powered, LCD display, dual channel, 50Mhz if I remember correctly.

Any idea of the value?

Mike

Date: Sun, 27 May 2001 18:03:52 -0600
From: "Francis Callahan" <colcal@srv.net>
To: <QRP-L@Lehigh.EDU>
Subject: [98997] F/S 509 Station
Message-ID: <002101c0e709\$ae68ce80\$03df070c@callahan>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

A friend of mine has a Tentec 509, 405 liner, crystal calibrator, 250 hz and 500 hz cw filters, desk mike I have seen this station and it looks like new. He is interested in sell this as a package and wonders if there is any interest in it and what the station is worth.. reply direct Thanks for the BW Cal KF7ET colcal@srv.net

Date: Sun, 27 May 2001 20:09:54 -0400
From: "Ken La Rose" <kenlar@csolve.net>
To: "Jim Wilson" <ve3qdr@yahoo.com>, =?iso-8859-1?B?QXJ0IFZhbnqBEZXKgS2xvb3Q=?=<Vanderkl@celestica.com>, "John Evelyn" <va3je@rac.ca>,
"Richard La Rose" <richard.larose@home.com>, "Multiple recipients of list QRP-CANADA" <qrp-canada@neale.gpfn.sk.ca>, <QRP-L@Lehigh.EDU>,
Subject: [98998] FDIM or Bust QRP Bike trip (some highlights)
Message-ID: <000701c0e70a\$b000b720\$5c26e2d1@kenlar>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

This is a story about three QRP mobile cyclists (John VE3JC, Russ KB8U, and Ken VE3ELA) who were determined to bike from Ontario to Ohio for FDIM and the Dayton Hamvention last week.

We left from John's QTH in London, ON at 12 noon Sat. May 12. Loaded down with gear for the next 8 days, the bikes handled quite different than normal! We chose to favour the paved backroads during our trip, as they were safer, and generally more scenic. Stopping for supper in the little town of West Lorne, ON was a treat. People along the street were interested in the bikes and radios, where we were from, and headed to. Russ's bike (a recumbent) proved to be a kid magnet. Children everywhere delighted to watch and shout out as we pedalled along. Dogs of every description would charge out to welcome us. There's something about bikes that seems to drive dogs crazy! Finally around 8:30pm we arrived at Rondeau Provincial Park. After setting up the tents, we tried a few CQs on 40m, but had no luck.

Up early Sunday morning, we were on the road by 8:10am. Breakfast stop was in Cedar Springs, ON. It appeared on the map that we would have an easy day's ride to make the 4:00pm ferry across Lake Erie from Leamington, ON to Sandusky, OH. As it turned out, we pedalled our hearts out, and just made the ferry with minutes to spare. It was imperative to keep that schedule, as the ferry did not run again til the next week! Completing the 4 hour lake crossing, we continued riding to Traveland Park, just south of Sandusky. Throughout that day on the road, we managed to make several 2-way QRP contacts from our bikes. We entered the "Leap-Frog mode", each passing our riding partners in turn as they stopped to log their QS0.

Monday morning after breakfast at Micky D's, we hit the road again. It suprised and amazed us that every sideroad (even one lane wide) was paved! Nice long flat stretches made for easy pedalling. We stopped at Green Springs, OH for an excellent pub lunch. (We came to rely on the recommendation of passing locals for our food stops!) Making good time, we decided to try and reach Findlay, OH. The forecasted rain eventually arrived. Soaked through, we opted to stay at a motel in Findlay for the night.

Tuesday morning, we phoned Bill Kelsey N8ET, who had been expecting us. George Dobbs G3RJV had flown in overnight to visit, and Bill fired up the grill to cook us all a wonderful breakfast! Then we had a tour of Bill's comfortable shack and Kanga U.S. Headquarters, located in his beautiful lakefront home. George took some snapshots of us, which were posted on the web at: <http://www.bright.net/~kanga/kanga/bike.htm>

By 1:00pm we had to get back on the road to make our next campsite. Rain showers continued all day. That afternoon we watched in awe as a major thunderstorm developed, and eventually overtook us. Pelted with hail and wet to the bone, a local resident took pity seeing us huddled under a tree by the roadside, and offered his garage to wait out the worst of the storm. There was unanimous agreement to take another motel and dry out. Located in Lakeview, OH (recommended by our Good Samaritan!) near Indian Lake State Park, the intended campsite.

Wednesday was our longest day on the bikes. Of course it rained again, but nothing like before. That afternoon we made contact on 2m with Jim Gumbert NC8Y, from Tipp City, OH. He happily cycled out to meet us, and graciously guided us to our final destination (Ramada Inn-QRP Central!). We stopped to gorge ourselves at a great Chinese restaurant, visited a neat cycle shop in Tipp City, then joined the bike path running along the riverside in Dayton. A few detours were required, as the path was not yet completed. They involved lifting our laden bikes and trailers over highway guardrails and sets of railway tracks, and puffing up steep glacial moraines! Around 10:30pm when we stopped to get drinks at a service station, John discovered his rear tire was flat! Luckily he'd brought along a spare tube, and replaced it. At 11:15pm we rode up jubilant to the front entrance of the Ramada, after 350 miles pedalled in 5 days. We celebrated our success that evening with a bottle of champagne. We were physically exhausted, but charged with excitement, having finally arrived at QRP Mecca, and anticipating the next four days!!

72, de Ken VE3ELA Midland, On.

Date: Sun, 27 May 2001 20:30:18 EDT

From: AC5JH@aol.com
To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [98999] Rockbound for the H.O Sprint
Message-ID: <f9.a898561.2842f61a@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Howdy to all,

Tonight I will be using my homebrew 6a6 push/pull oscillator in the Hoot Owl Sprint. I am rock bound on 7110 and I hope some of you will drop by and see me. Rockbound contesting may not be a very good way to win but it will be a lot of fun anyway.

Wx is telling us that there is bad thunder storms comming this way so I may not make the whole night. I have been using the little 4 watt rig to WAS and only need about 10 more confirms to have it. Hopefully, this spring will turn up a new state or two.

One way or the other, good luck to everyone this evening and shoot, even if you are not into the contest, drop by and say HI. I want be going very far off my xtal freq. and the porch light is always on.

Thanks and 72

Date: Sun, 27 May 2001 20:35:10 EDT
From: AC5JH@aol.com
To: qrp-1@lehigh.edu (Low Power Amateur Radio Discussion)
Subject: [99000] Rockbound HO Sprint
Message-ID: <99.15775b25.2842f73e@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Whooooops,

I hit the worng key and didn't get signed of,

The call is AC5JH and I am located in Blanchard, OK, Mc Clain County

Come see me on 7110 during the HO Sprint and hear a blast from the past with my 1935 breadboard 6a6 oscillator and 4 watts of rf power blasting the Ether.

72

Tom AC5JH

Date: Sun, 27 May 2001 20:44:08 -0500
From: "Mike Duke" <k5xu@concentric.net>
To: "qrp" <qrp-1@lehigh.edu>
Subject: [99001] Cobra Power Connector Needed
Message-ID: <005a01c0e717\$ccfbec20\$70020240@k5xu>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Recently, I acquired a Cobra 135-XLR CB set which should make a nice 10 meter conversion project.

I need the power cord, preferably wired for AC.

With the rear panel of the radio facing you, the power socket has two round pins on the left, three on the right, and a v-shaped key at the top.

If you have this connector in your junk box, please make me an offer.

A schematic will also be helpful.

Mike Duke, President,
American Council of Blind Radio Amateurs

Date: Sun, 27 May 2001 21:51:31 -0400
From: John Wagner <john@neknetwork.com>
To: Low Power Amateur Radio Discussion <qrp-1@Lehigh.EDU>
Subject: [99002] MH101: VFO and VR with o'scope shots
Message-ID: <3B11AF23.44CDE9D6@neknetwork.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I've updated my progress on the MH101 SW30+. Included are shots of the VFO and VR and various shots of the o'scope at different junction points complete with measurements.

<http://www.qsl.net/kb1ens/sw30/sw30mh.html>

73,

John, KB1ENS

--

John Wagner - john@neknetwork.com
Web page: <http://www.neknetwork.com>

Date: Sun, 27 May 2001 22:08:21 -0400
From: "David Porter" <aa3ur@home.com>
To: <kd0ar@alltel.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99003] Re: Class D amplifiers
Message-ID: <002201c0e71b\$12834560\$926e0941@jamison1.pa.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Do a Google search (<http://www.google.com/>) on "Class D Amplifiers" Then
try "Class E Amplifiers". There is a lot of stuff that you can download.
David Porter
aa3ur@home.com
AA3UR

Date: Sun, 27 May 2001 22:52:23 EDT
From: Macstein@aol.com
To: qrp-1@lehigh.edu
Subject: [99004] Hoot Owl fun
Message-ID: <28.15f38266.28431767@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Bill K5ZTY was cqing and Mike AF4LQ in KY, and Chuck AF4PP in GA and I AF4PS
in FL called him at the same time.... unless I'm mistaken, he worked us in
alpha order!!!! U da man, Bill!!!

-MAC-
AF4PS

Date: Sun, 27 May 2001 22:57:04 -0400
From: "Joe Everhart" <n2cx@voicenet.com>
To: "qrp1" <qrp-1@lehigh.edu>, "njqrp" <njqrp@njqrp.org>
Cc: <n2apb@amsat.org>
Subject: [99005] Belated Dayton 2K-1 comments - long

Message-ID: <003201c0e721\$fa45f680\$16fc67cf@n2cxtoy>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Group,

I've gotta add a couple of comments on this year's Dayton adventures.
I'd intended a complete rundown, but if I take the time to do it, I'll
never finish!

Instead I'll just give my view of some of the highlights.

As always the FDI speakers were well worth the price of admission.
All of them were excellent! Here are a couple of my own favorites.

Ed Hare's talk on interference *to* hams was most revealing. He pointed out that so-called Part 15 rules give both limits to allowable emissions plus the requirement that there not be *substantial* interference to licensed services (including hams.) This means by the rules we must expect some low level of interference. Complaining about occasional or relatively minor interference is simply a waste of time. Somehow this nuance had not been obvious to me before Ed pointed it out. Ed made it clear that ARRL is working with manufacturers and the FCC to eliminate current interferors as well as heading off potential problems from new digital services that may prove troublesome in the future.

George Heron (more about George later) presented his fascinating PSK31 package - in a K2 case yet! This scathingly brilliant contraption has an internal processor AND a couple of PSK31 rigs along with a unique dual CW and visual interface. As such it is a self-contained portable PSK31 station that does not need an additional computer.

The final speaker was Peter Zenker DL2FI. He had a fascinating talk on QRPdom in Germany. Would you believe that due to his hard work the DL QRP organization (NOT a club!) membership has gone from zero to over 2000? And what's more he is growing future hams and QRP'ers with a strong program for youth.

The hamvention was, as usual, somewhat muted by rain. Friday was the worst with torrential rain that drove everyone indoors. However even that did not keep N2APB, WA2ECP and yours truly from tracking down and snagging several hundred square feet of copper clad board material for future NJQRP projects.

On Saturday, the peripatetic N2APB gave yet another talk. In a session

chaired

by Steve Ford of ARRL, George presented a thorough overview of PSK31 to an audience estimated at over 300 eager listeners. The session was then capped off

with a talk by Del from Rigblasters discussing and demonstrating a variety of current software based digital modes in use by hams. Del gave away a number of CD roms with free software at the end of the talk causing a near stampede!

There were a couple of high points at Saturday's ARCI Banquet. Dinner was ok

in spite of the rationing of iced tea and coffee cups... But the best part was the

QRP Hall of Fame induction ceremony. I had the distinct honor of presenting one

of the two new inductees - my good friend George, N2APB. This recognition of

his contributions to the QRP community is well deserved by George. The second

honoree, no other than that German bad boy Peter, DL2FI was presented by the honorable George Dobbs G3RJV. Peter, too, is quite deserving of acceptance into

this select group.

Door prize drawings were another fun part of the banquet. Good job once more

Scott Rosenfeld! A quite different procedure was followed this year in order to

streamline things. In all it worked well in spite of frequent outbursts of cheering

from the Flying Pigs, including exhibits of mechanized oinking and wing flapping

from their mascot. What *is* that thing's name, anyway?

The homebrew equipment demonstrated on Saturday was, as usual, quite clever. Others have described it so I won't repeat it except to say that those darned

Pigs are becoming a force to be reckoned with.

Not to be forgotten was introduction of the WARC-bler designed by the intrepid

Twisted Pair, Fred Spinner W0FMS and Jeff Woods W00DS of the IA QRP group.

It is a clever modification to the NN1G designed 80 meter Warbler to put it on

the 30 meter WARC band. NJQRP currently offers the Warbler kit so a joint effort with the IA gang was undertaken to offer a limited number of WARC-blers.

A number of these were sold at Dayton and the few additional kits remaining are going quickly. More info on the mod is available on Fred Spinners web page at <http://w0fms.org> and info on the remaining kits is on the NJQRP web page at www.njqrp.org.

All right that's enough! In all it was a great time. As usual it went entirely too fast and I can't wait for next year!

72/73,

Joe E., N2CX

Date: Sun, 27 May 2001 22:39:24 -0500
From: <mjfitz@uswest.net>
To: qrp-l@Lehigh.EDU
Subject: [99006] Re: The Wilderness SST - A Fresh Perspective (long)
Message-ID: <3B11C86C.7C7B512@uswest.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

It's a fun rig and you will be amazed (as was I) at what can be done with such a simple little radio.

Yup Rich, spoken like a true RF warrior...I feel like a candyass if I run the K2 in a qrp contest... For the last TTF I had to stay home, but ran SSTs on 40,20,15 and 10 meters and had a great deal of fun, AND felt like a hard-core qrp'er doing it...

Mike NOMF

Date: Sun, 27 May 2001 23:36:45 -0400
From: Richard Arland <rarland@earthlink.net>
To: QRP List <qrp-l@lehigh.edu>
Subject: [99007] Wilderness Radio SST --- The Sequel

Message-ID: <3B11C7CD.FF6071E2@earthlink.net>

MIME-Version: 1.0

Content-Type: text/plain; charset=us-ascii

Content-Transfer-Encoding: 7bit

Well, the WPX is over. I had very little time to operate during this event, and, what started out as a I-just-gotta-see-if-it-works experiment using the SST at 900 mW during this contest, kinda got outta hand.

After my initial success using the SST on 20 meters and netting 20 Qs in 46 minutes, I decided to go back and try it again...setting my goal at 50. Unfortunately, with the kids coming over for a cookout and ripping down drywall and old insulation, I only ended up operating the contest for 2 hrs and 18 minutes.

HOWEVER, I worked 50 Qs, 24 DXCC countries and 4 continents for a score of 7000 points using 900 mW from what is essentially a crystal controlled rig! I'm just shy of 25% done with DXCC using the SST at milliwatt power levels, AND only need to work one Asian and one Oceanic station to qualify for WAC with this rig! Not too shabby for less than three hours air time, if I do say so myself.

The SST is one heck of a rig that produces a LOT of fun for the buck.

73 Rich K7SZ

Date: Sun, 27 May 2001 21:59:49 -0700

From: "N7SG K7FD" <k7fd@hotmail.com>

To: qrp-1@Lehigh.EDU

Cc: elecraft@qth.net

Subject: [99008] Tired Owl...no Hoot left...Closing shop

Message-ID: <F263zx1VtauJKFVEQQh00006d40@hotmail.com>

Mime-Version: 1.0

Content-Type: text/plain; format=flowed

My eyelids are drooping and I gave my last hoot at 9:45p local.

Final tally in the Hoot Owl Sprint for K7Low:

43 total QSOs, 30 members, 13 non

19 states on 20m, 5 on 40m

K1 5 watt power mult 7

Total humungous score: 29,568

Soapbox: Noisy condx! Especially on 40m...but lots of fun anyway! Worked NØRC and K5OI on both bands...lowest powered station worked was NBØW at 1 watt...

73 John K7FD, op at K7Low Oregon

Get your FREE download of MSN Explorer at <http://explorer.msn.com>

Date: Sun, 27 May 2001 22:59:17 -0600
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "Elecraft-list" <elecraft@qth.net>
Subject: [99009] Hoot Pw1 Sprint
Message-ID: <0E70xw8Zw5V6QcqnWwA00007cc4@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

0430(ish) and 20 is dead and 40's too noisy so after 2 hours I'm done.

Highlights:

AL7FS, Jim in Alaska
AF4PS, Mac in FL
KØZW, Arnold in Maine

Toss in a few CA stations and it seems I worked the far corners of the continent! ;-)

Setup: K2 @ 5W & Attic Antenna

73, Rod NØRC
Ft Collins, CO

SuperFest 2001 14-Jul-2001
<http://www.qsl.net/n0rc/hamfest/hamfest.html>
BE THERE!

Date: Mon, 28 May 2001 01:01:22 -0400
From: "Wilford D. Lindsey" <70511.3041@compuserve.com>

To: ".QRP-L Discussion Group" <QRP-L@Lehigh.edu>
Cc: ")W.D.(Doc)Lindsey/K0EVZ" <70511.3041@compuserve.com>
Subject: [99010] K0EVZ Hoot Owl Short Sprint
Message-ID: <200105280101_MC2-D35E-8174@compuserve.com>
MIME-Version: 1.0
Content-Transfer-Encoding: quoted-printable
Content-Type: text/plain;
charset=ISO-8859-1
Content-Disposition: inline

Gang:

Thanks to all who dropped by during the Hoot Owl Sprint tonight. Location
was a rest area along I-94 highway. There was a constant S-8 noise level.
=

Yikes. Luckily there were also some humongous Sprint signals. Total
operating time was 60 minutes. Log shows 35 QSOes in 19 SPC's, including
all over the Lower 48 plus Jim AL7FS. =

Setup =3D SST-20 at +/- 2 watts to a ground mounted Inverted WYE. Sorry=
to
anyone I missed. The rig worked FB, but I just gotta get an RIT :-).

72,
--Doc/K0EVZ

72,
--Doc/K0EVZ

Date: Mon, 28 May 2001 00:40:29 -0500
From: "Brian Murrey" <bmmurrey@amexol.net>
To: "pigs" <fpqrp-l@mpna.com>, "QRP-L" <qrp-l@lehigh.edu>
Subject: [99011] Hootie Hoot
Message-ID: <005401c0e738\$b57e1de0\$3064030a@iquest.net>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

The Hoot Owl was fun! I used my Norcal 40A turned down to about 850 mW and
worked 40m between 7038 and 7041 only. I managed about 18K points and about
30 contacts in the 3.5 hours I worked. Even used the old attic dipole.

Highlights:

W0UFO - Bill in St Paul - I love this call sign.
VE3ELA - Ken in Ontario road his bicycle 350 miles to FDIW this year
N8VAR - Ron in Ohio, NOT scout camping for once! <grin>
K2Q0 - Mark in NY
N0UR - Tuff copy but we got it done. Thanks Jim.
K8KFJ - My 2nd WV in three years. Wow. Thanks Garie!

Also worked a lot of people I met at FDIW this year, plenty of those
NoGaQRPers!

Furthest North - Ontario Canada
Furthest East - New York and Connecticut
Furthest West - Minnesota
Furthest South - Florida courtesy of K4MF

Rare DX - West By God Virginia - My former home sweet home

=====
KB9BVN NORCAL 2792 FISTS 5695 QRP-L 1540 QRP-ARCI 10223
39.558 N 86.095 W Johnson Co., Indiana
GRID: EM69WN - Ten Tec Scout - Attic Dipole - 5w
Member of the American Radio Relay League - SOC #400
FISTS Century Club #764/#24 QRP - Flying PIG QRP #-57
=====

Date: Mon, 28 May 2001 01:44:35 -0400
From: "George Osier" <gosier@twcnv.rr.com>
To: <qrp-l@lehigh.edu>
Subject: [99012] CQ WPX and milliwatt totals
Message-ID: <001b01c0e739\$46ffdf60\$25191842@twcnv.rr.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Hello All !!!!

Worked 5 new milliwatt ones in the test !!!

PJ2U , 700 MW , 10 METERS
9G1MR , 700 MW , 10 METERS
EC6TK , 700 MW , 15 METERS
FG/RW3QC , 700 MW , 10 METERS
PV0F , 800 MW , 10 METERS

That puts my totals at :

87 worked

49 confirmed

Ya gotta try milli-wattting !!! When condx are good there is NOTHING like it !!!!!!!

73s

George Osier , N2JNZ / QRPp

Date: Sun, 27 May 2001 23:04:05 -0800
From: Jim Larsen AL7FS <AL7FS@pobox.alaska.net>
To: "qrp-1@lehigh.edu" <qrp-1@lehigh.edu>
Subject: [99013] Hoot Owl Sprint de AL7FS (long)
Message-ID: <3B11F865.7147F446@pobox.alaska.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Greetings from Alaska,

Conditions were not great but not bad either. I managed about 24 QSOs in 20 S/P/Cs reaching out to NY, MN, MI, FL, PA, MD, GA, WI, IN, ND, KY, MA, OH, CO, ME, NM, TN, OR, WA AND NV. Of course, this was all on 20 meters. I took down and sold (to KL7Y) my 2 element beam on 40 meters and will put up wire antennas again for 30 and 40 meters.

K5ZTY was in there tonight but I just couldn't get myself heard. Also NK9G, W4FMS and W0UFO were just too darn popular for me to break in. Maybe next time. I had one very weak signal that I just could not pull through. I thought I copied W0FND but in qrz.com it says: The callsign W0FND is not in our database. I suspect I didn't get the callsign right. Sorry.

Conditions tricked and trapped me all night. I would call CQ for a

while and work 2 or 3 stations and then propagation would shift and I would find myself right in the middle of 4-6 stations all calling CQ. I just couldn't hear them for 5-8 minutes at a time and thus thought I was on a clear frequency. Then propagation would shift again and the bands would seem real weak but a new area would pop in for a few more QSOs. If you look at my state spread, you can see just how widespread the propagation was.

I found it interesting that I was finding many stations up 300 Hz or better with my RIT. One was 450 high and even a 700+. I began to believe that my system was offset by some amount and I might need a tune-up. Then the next 10 QSOs were the normal 100-150 Hz high which has been the norm here for years. It might be interesting to know if any were K2s. heheh. :-) I know one was an SST without RIT. ;-)

I have got to get Brian's, K7RE, program loaded and going: ScQRPion QRP Contest Program Series <http://www.dancris.com/~bkassel/index.htm#top> I really dislike the manual work of doing my contest entry after the fact. In fact, I still haven't done QRPTTF and suspect I may be too late. And that was only 6 contacts in 6 hours (Condx weren't so good that day).

Well, it is 11:00PM and the sun will be going down in another 5 or 10 minutes so bedtime is upon us. Thanks to each of you for helping me to have so much fun with QRP.

73, Jim

--

Jim Larsen, AL7FS, Anchorage, Alaska
(BP51cc) - 61.101 North, 149.824 West
<mailto:al7fs@arrl.net> - <http://www.qsl.net/al7fs/>

Date: Mon, 28 May 2001 06:47:01 -0400
From: Joseph Mikuckis <k3chp@erols.com>
To: qrp-l@lehigh.edu
Subject: [99014] Hootowl
Message-ID: <3B122CA5.252B@erols.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Yesterday I checked my antennas and was all set to give my FT-817 a workout. Unfortunately we had almost continuous thunderstorms, so I decided not to take a chance. Too bad.

Joe, K3CHP

Riverdale, MD USA

Date: Mon, 28 May 2001 07:54:10 EDT
From: n5ib@juno.com
To: qrp-1@Lehigh.edu
Subject: [99015] USS Kidd Memorial Day operation
Message-ID: <20010528.065235.4639.0.n5ib@juno.com>

I'm about to set off for the Kidd.

Intending to start on 30 m (10120 and down) and move later to 20 m (14060 +/-) . May be able to post spots on the DX Cluster.

USS Kidd, DD-661, Fletcher class destroyer, launched 1943
Baton Rouge LA
operating as W5KID

Operations will QRX around 1615 Z while the 5" gun fires a salute.

...Lest we forget...

72
Jim N5IB
for W5KID

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<http://dl.www.juno.com/get/tagj>.

Date: Mon, 28 May 2001 09:01:52 -0400
From: "William Mabry" <n4qa@hotmail.com>
To: qrp-1@Lehigh.EDU
Subject: [99016] WWVH on 10 and 15 mHz this morning
Message-ID: <F86LTkUD5euwdUTaGmv0000b07b@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Have both the DSW-30 and DSW-20 fired up this morning.
WWVH in Hawaii is coming in strong on both rigs.
Might be a good time to snag KH6...

CHU in Ottawa has great sigs on 14670 kHz also.
73.

Bill, N4QA

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Date: Mon, 28 May 2001 06:28:03 -0700
From: "N7SG K7FD" <k7fd@hotmail.com>
To: qrp-l@Lehigh.EDU
Subject: [99017] Yet another QRP sprint TONIGHT...
Message-ID: <F268FWy3rB07X0q3Jkr0000709e@hotmail.com>
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

<http://www.qsl.net/k8dd/miqrp/rules01.htm>

Michigan QRP Club M-Day Sprint starts at 2300Z...

Hoping you have a pleasant Memorial Day, 73 John K7FD

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Date: Mon, 28 May 2001 14:57:17 +0100
From: Larry Cahoon <lejek@erols.com>
To: qrp-l@lehigh.edu
Subject: [99018] WPX QRPP etc
Message-ID: <5.0.2.1.0.20010528143814.00a03360@pop.erols.com>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"; format=flowed

Well as Joe, K3CHP, said the WX in MD was not very conducive to contesting this weekend. Friday night I did find a hole between storms to fire up the OHR 500. I built it a couple of years back and never really put it on the air. It couldn't seem to replace the Sierra and now the K1 and K2 are firmly entrenched on the desk. So it got two QSOs, one on 40 and one on 20 meters both at 5 watts. I need to do some tweaking of the output. I get full power on all bands except for 15 meters where it now peaks at about 500 mW.

Saturday with the thunderstorms threatening most of the day the only real

chance I got was an hour in the evening. This time it was the K2 running 500 mW. At one stretch it was 15 QSOs in half an hour. The catch of the night was Asiatic Russia.

Sunday was a bit better than Saturday. But again the most fruitful time as in the evening near the end of the contest. Again I ran off a stretch of 15 QSOs in half an hour. This time I did kick it up to 5 watts for a few QSO - I really should go ahead and get DXCC QRP before I do too much QRPp, but the QRPp stuff is just so much more fun.

Of course on Sunday we lost power for an hour. No thunderstorm this time. Turned out that a small dead branch fell across the power lines and shorted them. By small I mean only about an inch in diameter. I managed to retrieve the branch after the crew was out to fix the problem, it was burned pretty badly but it had won the battle.

For the most part I stuck to the DX stations, ending up with 60 QSOs for the effort. Given the WX conditions I'm satisfied and had a good time.

I didn't count the new one, plus I don't get too excited till the cards come in. Of course it would help if I sent off the cards I had to the buro. I finally got the cards filled out for the DX contest in February last week. Now I have to mail them out. So for now it stands at 80 confirmed for DXCC QRP and 36 confirmed for DXCC QRPp.

The just in time for the Hoot Owl in comes another thunderstorm - so that one was a bust here.

73 de Larry.....WD3P in MD
<http://www.qsl.net/wd3p/>

Date: Mon, 28 May 2001 11:11:43 -0400
From: "Joe Everhart" <n2cx@voicenet.com>
To: "qrpl" <qrpl@lehigh.edu>
Subject: [99019] Re: Class D amplifiers
Message-ID: <003e01c0e788\$81e34e60\$cafc67cf@n2cxtoy>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Gang,

This is an interesting topic indeed. I've done some work with these both at

work and at play. At work we were putting out 5 kw with > 90% efficiency *until* the antenna SWR increased, then we ended up with a whole bunch of transistors that self-destructed in milliseconds! Then we looked into fast acting protective circuitry!

It's been some years since I did the work at home but I noted the same need for low SWR. Careful control of load impedance was critical to getting just the right conditions for high efficiency. Never worked at it long enough to come up with a robust scheme.

More recently an NJQRP member Lenny, W2BVH showed off some interesting stuff he had been doing based on the VE3DNL info. Lenny was wringing over a watt from a 9-volt transistor radio battery at very good efficiency. I've been trying to convince him to write it up for the QRP Homebrewer.

Joe E.

w2bvh@home.com

Date: Mon, 28 May 2001 15:40:53 -0400
From: Bill Meara <n2cqcr@clix.pt>
To: qrp-l@lehigh.edu
Cc: homebrew@qth.net
Subject: [99020] 17mtr DSB - Modulator fixed!
Message-ID: <3.0.6.16.20010528154053.21b7fda6@pop.clix.pt>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

With lots of help and advice from list members, I got the modulator working on my homebrew 17 meter DSB rig. I checked and re-checked everything and finally decided to pull out the Schottky diodes I had in there and try some ordinary diodes. (I don't even know the designation for the new ones -- I picked them up at a Radio Shack a long time ago and they have been lurking in my junk box ever since.)

BINGO! With the new diodes I was able to null out the carrier and get approximately 1 Watt PEP out of the rig. I'm sure the audio doesn't sound great, but I can work on that later. For now, I'm very happy to see the power output/SWR meter bouncing nicely as I call (futile!) CQ's!

I don't know why the other diode's didn't work. They tested fine, with high reverse and low forward resistance.

Thanks again to all those who helped. I will continue to keep you posted on progress (and I will probably be asking for more help on future problems).

I think I'll be building another RF amp stage to get me up to 5-10 watts or so. Then it will be on to the companion Direct Conversion Receiver. This is, after all, a Direct Conversion transmitter!

73 de CU2JL (aka N2CQR)
Bill Meara
Sao Miguel Island,
The Azores, Portugal
<http://planeta.clix.pt/n2cqqr>

Date: Mon, 28 May 2001 08:41:35 -0700
From: Bill Miner <wg6h@postoffice.pacbell.net>
To: qrp-1@Lehigh.EDU
Subject: [99021] Manhattan style Construction Info
Message-ID: <3B1271AF.A023B53D@postoffice.pacbell.net>
MIME-version: 1.0
Content-type: text/plain; charset=us-ascii
Content-transfer-encoding: 7bit

Hello QRPers,

F Y I After reading K7QO - Chuck's great article on Manhattan style construction I paid a visit to the Harbor Freight's web site to purchase the 2000 lb punch kit (p/n37405-1VGA) for making PC board pads.

According to the web page this is a discontinued item. There is a similar punch set listed (p/n 44060-1VGA) but it is less robust than the one that Chuck recommends.

I was luck enough to find one of the recommended 2000 lb punch sets still on the shelf at my local Harbor Freight store. If you do not already have one of these punch sets you may want to get one SOON.

73, Bill - K6WLM

Date: Mon, 28 May 2001 10:52:26 -0500
From: "Joel Kluender, NF9K" <nf9k@eudoramail.com>
To: elecrafft@qth.net, qrp-1@lehigh.edu

Subject: [99022] k2# 1874 problem solved!
Message-ID: <NPDBNMJNCLLOIBAA@shared1-mail.whowhere.com>
Mime-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Language: en
Content-Transfer-Encoding: 7bit

All,

Last week I solicited everyone's opinion to help me track down some very annoying noise I was hearing on signals in my K2. Sort of a higher frequency "hash". Thanks to all of you who sent me useful suggestions and especially thanks to Gary at Elecraft for his patient support!

In the end, I figured out what the problem was by visiting a friend with a known working K2. I really didn't hear the noise in his rig, but what I did notice quite clearly is that the audio sounded totally different on his rig - totally. I realized that perhaps the difference was in his use of Spectrogram versus my "by the book" filter setting. So I installed Spectrogram on my wife's PC and when I centered the filters that way it made ALL the difference. It turns out that the "stock" settings resulted in my filters being set way on the high side of my sidetone. This resulted in me hearing much higher frequency noise that disappears with the proper settings.

All of that worry and confusion, and it was my filters all along. In my opinion, the manual settings are pretty much useless, and Spectrogram use ought to be mandatory in the manual.

Now that everything is working, I can feel the MOJO flowing through my shack! Talked to Fiji and New Jersey this morning. Now on to the KAT2.

Thanks all!

73,

Joel N0KR

K2 #1874

Joel Kluender, N0KR

870 Prairie Street S.

Shakopee, MN 55379

"All men are like grass, and all their glory is like the flowers of the field; the grass withers and the flowers fall, but the word of the Lord stands forever." (I Peter 1:24-25)

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Date: Mon, 28 May 2001 08:52:16 -0700
From: Brian Kassel <bkassel@dancris.com>
To: azqrp <azqrp@extremezone.com>, QRP-L <QRP-L@lehigh.edu>
Subject: [99023] Contest: WPX Results - K7RE
Message-ID: <3B127430.C1B95F9F@dancris.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Gangue:

Wow, what a contest! 20 years ago I NEVER would have accepted the fact that a QRP station, with just mediocre antennas, could be so competitive and still have loads of fun.

Conditions here in the desert SW were strange, but still very conducive to DX. As this contest's multipliers were based on the stations call sign prefix, rather than it's location, I was hoping to fill my log with lots of 2X1 and 2X2 US call signs. I tried every trick in my book to try to nail as many of these stations as possible, but there simply was not much US activity heard here. On the other hand, the DX more than made up for it! Looks like the propagation god (or goddess) really made up for the frustrating conditions of the last few QRP contests. I didn't even have to sacrifice any small animals to them either ;)

I wound up with 73 UNIQUE countries worked in a weekend, and still got enough sleep! QRP DXCC has come from a years-long struggle to one that can be achieved in a few weekends of contesting. About 99% of the QSO's were search and pounce, although I had a station in the Philippines answer one of my CQ's on 10 meters.

It would seem that 15M was the band of choice here. 10 meters was only marginally open, and 20 meters never came close to holding the strong, large number of DX stations that 15 did.

I was taken aback by the ease of making QSO's. It was unusual for a DX station to ask for a repeat, and quite often I got them on the first call. Yes, I did check the watt meter often at first too!

My previous score of 438,000 was easily bested this year.

If anyone out there has been toying with the idea of getting into QRP contesting, but is afraid to do so based on their less-than-stellar antennas, or other seemingly lack luster equipment, they should just give it a try.

C'mon folks, if a balding, low energy 56 year old guy with a bad back can do this, so can you.

Here are the preliminary results. I have 3 call signs to identify, and need to check just a few others.

Exchanged Information: K7RE 599 S/N

Rig: K-2 5W 3 el trapped tribander at 35 feet, Butternut HF-2 vertical on 40 and 80. 40M Vertical delta loop.

Software: QRPDUPÉ Version 4.1 with rig keying enabled.

Hours of Operation: __about 27_ Hours.

Band	QSOs	Points	Mult's
160	0	0	0
80	1	1	0
40	45	86	0
20	180	382	0
15	355	784	0
10	75	168	0
6	0	0	0
2	0	0	0
Totals	656	1421	384

Total QSO's = 656 , Total QSO Points = 1421

Total Prefixes Worked = 384

Total Score: 545,664 Points

QRP - Just do it!

Brian K7RE

Date: Mon, 28 May 2001 16:05:58 +0100

From: <don.chisholm@home.com>

To: <n8cqa@att.net>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>,

"Hank Kohl K8DD" <k8dd@arrl.net>
Subject: [99024] MI-QRP Memorial Day sprint - NA logger
Message-ID: <003101c0e787\$b3e7fba0\$6401a8c0@roalok1.mi.home.com>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Does anybody have a copy of the MI-QRP.CRT (contest rule template) for NA that they could forward to me for the contest this evening?

I have one included in my NA version, but I looked at the template and there seem to be a few discrepancies.

73
Don
WX3M

Don Chisholm
don.chisholm@home.com

Date: Mon, 28 May 2001 12:01:00 -0400
From: Michael Bower <bowerm@ix.netcom.com>
To: qrp-l <qrp-l@lehigh.edu>
Subject: [99025] OT:FRS Suggestions
Message-ID: <3B12763C.6F57ABA0@ix.netcom.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

<off topic>

I hope this doesn't aggravate too many people but I have a question on FRS:

This summer, my XYL and I and kids will be going to a Family Reunion. It is to be held in a state park (Turkey Run State Park - Indiana). My wife and I can use HTs (Yaesu FT-11Rs) for communications but we were thinking about picking up a couple of FRS radios for the other groups. Do any of you have any suggestions on features that we should get or avoid? I don't want to spend a fortune but don't want el-cheapo's HTs either.

I am planning on taking a couple of my rigs for portable ops at this

reunion. Just for the fun of it. I'll give details later but the reunion is scheduled for July 2-4. Haven't decided whether I'll operate daytime (20 meters) or evening (40 meters) or both. Will definitely take the K1 but maybe other rigs as well. (Can't have too many, right?)

Michael N4NMR

</off-topic>

--

73 de N4NMR

Michael Bower

Ashburn, VA (near Washington, D.C.)

Date: Sun, 27 May 2001 21:45:14 -0400
From: Ron D Doyle <n8var@juno.com>
To: fpqrp-1@mpna.com, qrp-1@lehigh.edu
Cc: ac5ii@arrl.net
Subject: [99026] Re: Hootie Hoot
Message-ID: <20010528.002756.-313189.6.n8var@juno.com>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

I managed about 3 hours of the Hoot Owl Sprint. When I first read it and saw it was 8pm to midnight I didn't think I would do it but then it was a holiday and the morning was going to start very late so I gave it a shot.

I got started about 9:00pm because of some family activities I was committed to. I used my QRP + to start with set at about 3 watts. I picked 20m to get started on and heard W4MF but couldn't get to him and there wasn't much else on 20 so hopped down to 40m and there was a little more action there. I did the hunt and pounce thing and noticed that each pass of the band brought out different contacts. After 2.5 hours I had worked everybody and wasn't hearing any new cq's. The QRP+ was pretty noisy so I decided to try the trusty NC40A at 2watts and the band seemed quieter. Since it seemed that I had worked everybody that I could on hunt and pounce I started calling cq and finished the night off with 3 additional contacts.

I haven't figured my score yet because I left my score sheet at work but I made 22 contacts total with 3 of those without numbers. W9JOP/4 was running was running 350mw!

I had just completed my Keylite Keyboard keyer by the Knightlite qrp club

that I bought at the Hamvention and gave it a workout. If you haven't looked at this kit I can recommend it. It worked great and was pretty easy to put together. It comes with all parts and hardware you need including case and all board mounted jacks and controls.

I am glad I gave it a shot. I think next time I will call CQ earlier though. This was a nice relaxed event which was a lot of fun for me. Thanks ARCI!!!

72 de Ron, N8VAR

Ron Doyle
n8var@arrl.net

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Date: Mon, 28 May 2001 10:28:36 -0600
From: "James R. Duffey" <jamesd1@flash.net>
To: <qrp-l@lehigh.edu>
Subject: [99027] More Audio Filters-Bencher and W9GR-II
Message-ID: <B737D8D4.9E90%jamesd1@flash.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

I recently acquired two different audio filters for my collection. As many of you know I am fascinated by audio filters and have accumulated a dozen or so over the years. I have posted my impressions on several of these at the Dr. Mc home page:

<http://www.qsl.net/kk6mc/AudioFilterImpressions.txt>

My discovery of e-bay has brought 2 new (to me anyway) audio filters and I thought I would share my initial impressions of them with you. First impression is that these are about 50% more expensive on e-bay than they are at ham swap meets. :^)

Bencher ZX-2

The first to arrive was a Bencher ZX-2. It was recommended to me by the person I sat across from at the Rib Eye in Ft. Smith this year at the annual Ft Smith QRP Forum, Hearts tournament, Gourmet Food/beer tasting festival, and Knights of Columbus fund raising social. I am pretty sure that his name

was Dave and he is from Illinois, but I can't remember his call. As they get older hams get CRC (Can't remember calls), a subset of CRS which the population as a whole gets.

The filter came without a manual, but it is pretty simple to operate. It has an SSB position, and 3 CW positions: 150 Hz, 110 Hz, and 90Hz. It also has a position to adjust the center of the pass band. I believe it is a switched capacitor filter made from discrete op amps with 4 or more poles, but I haven't put it on a spectrum analyzer yet.

It is very pleasant to use on CW. There is no apparent ringing even on the tightest setting. The tunable center frequency is very nice as I like to listen to a low note, 550 Hz or so, and many of the analog filters have a fixed 700 Hz center frequency which I think is too high for extended CW use. There is also an added degree of selectivity available by being able to move the center frequency around. I do have a rig with a fixed side tone at 700 Hz, so I can use the filter on rigs with differing side tones by just twisting the knob. There are no added noise artifacts due to the SCAF that I can tell, and the audio is quiet without a signal. The output IC is our old friend the LM-380 which can drive a speaker to adequate volume.

I would like a slightly wider CW setting, say 400 Hz or so for band cruising, but other than that I can't think of any real problems with the filter.

I didn't use it much on SSB, but it did not seem to help the TS-850 much. It might be some help to a rig with broader filters or filters with skirts that are not so steep. There is no notch filter provision which is usually of more use to SSB operations than CW. When the filter is switched off it is out of the circuit and automatically bypassed. That is more important than it sounds.

For CW use this is now my second favorite filter behind the Datong FL-3. I place it ahead of the Autek QF-1, QF1A, and MFJ CWF-2.

j-Com W9GR-II DSP

I have a W9GR-2 DSP and this filter is very similar to it. This filter has much improved ergonomics though. The mode is selected by a rotary switch rather than by pressing the Binary I/O switch as the appropriate LED is lit.

The W9GR algorithms for noise reduction and notch elimination are superb for SSB use. With the improved ergonomics this is now my favorite filter for SSB use, digital or analog. I am still impressed by the automatic notch feature, and the denoiser works very well without imparting an excessive digital quality to the voice. There are 4 SSB settings; one that combines a modest denoiser and automatic notch filter, one with a more aggressive denoiser, one with a notch filter, and one with a more aggressive notch filter.

The CW capabilities of this filter are disappointing to me. It has 4 CW filters, 3 centered at 800 Hz, and one centered at 400 Hz. For my ears 800 Hz is too high and 400 Hz is a bit low. The filter widths are 100 Hz at 800 Hz and 400 Hz center frequencies, as well as 200 Hz and 30 Hz at 800 Hz. The -2 offered a better selection of CW bandwidths, including 200 Hz wide at 600 Hz center frequency. However the 30 Hz filter has to be heard to be believed. It really is that narrow and there is virtually no ringing.

I will probably use this filter on my 6 meter rig as most operation on that band is on SSB.

It also has HF packet, RTTY, and SSTV filters. I did not use these, but the RTTY position on my old W9GR filter was very good.

My favorite filters:

Analog CW and SSB

Datong FL-3 (The FL-2 is similar, but does not have an automatic notch filter. The Heath HD-1418 is similar to the FL-2, and usually cheaper)

Digital CW

Timewave DSP-9

Digital SSB

W9GR-II by j-Com

I purchased all of these for less than \$50, and if you are looking for an inexpensive way to improve the selectivity of your rig, or if you can't add IF filters to your rig, these are all good choices.

I hope that this helps someone. Yours in narrow bandwidths and high signal to noise ratios. - Dr. Megacycle KK6MC/5

--

James R. Duffey KK6MC/5

30 Casa Loma Road

Cedar Crest, NM 87008

Date: Sat, 26 May 2001 22:24:13 -0400

From: Bob Kellogg <ae4ic@nr.infi.net>

To: KLQRP Reflector <klqrp@applegate.org>, Low Power Amateur Radio Discussion
<qrp-1@Lehigh.EDU>

Subject: [99028] Keylite Orders
Message-ID: <3B10654D.24FDA92C@nr.infi.net>
MIME-Version: 1.0
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit

Guys,

When I got back from Dayton, I was quickly swamped with orders, and had to order more parts. (The LCD unit is expensive, and our treasury is low, so we only had a small quantity on hand)

However, we expect to be caught up on shipping this coming week. Those of you who are beginning to wonder about your order, thank you for your patience, it will soon be on it's way.

No one has complained (that I know of), but an explanation is due, and this is it. I'll advise when we are shipping from stock.

--

73,

Bob Kellogg, AE4IC, Greensboro, NC
Prolobly, not nececelery. - Benny Hill

Date: Mon, 28 May 2001 12:42:23 EDT
From: PTSMANTUA@aol.com
To: qrp-l@lehigh.edu
Subject: [99029] Hoot Owl First Time
Message-ID: <fe.6f7dc25.2843d9ef@aol.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="US-ASCII"
Content-Transfer-Encoding: 7bit

Hi,

Had fun working a few stations on 40 with my Norcal 40A running 2W. Made just 6 Qso's between Kids, Family, and a few projects.

Had a good time,

de Phil

KF8JW

Date: Mon, 28 May 2001 10:49:17 -0600
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>, "Elecraft-list" <elecraft@qth.net>
Subject: [99030] 6 is open 1630z
Message-ID: <OE69YQjmq91UxUasuxm00007f2f@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

6 is hopping today, copied 2 beacon from Mexico, one from AZ. Also work CW KB7WW, NN7DJ & KC5YCH (SSB 20W) all in 15min.

Don't just listen, call CQ! 50.100 - 50.125 is the DX window, so watch you don't QRM someone. Call CQ <50.100 CW or >50.125 SSB.

Go get 'em boys & girls!

73, Rod N0RC
Ft Collins, CO

SuperFest 2001 14-Jul-2001
<http://www.qsl.net/n0rc/hamfest/hamfest.html>
BE THERE!

Date: Mon, 28 May 2001 14:28:00 -0400 (EDT)
From: "John L. Sielke" <w2agn@pobox.com>
To: qrp-1@lehigh.edu, fpna@mpna.com
Subject: [99031] Why No Hootowl
Message-ID: <XFMail.20010528142800.w2agn@pobox.com>
Content-Type: text/plain; charset=us-ascii
Content-Transfer-Encoding: 7bit
MIME-Version: 1.0

I had planned to work the Hootowl Sprint, but several things combined to keep me off.

1. I tried to install a new HD in the station computer. It was not compatible, and wiped the WIN98 side of my existing HD. Spent hours working on it.

2. While working on it, I did manage to give the new Keylite keyer a workout in the WPX contest. Worked 41 countries (qrp) while waiting for the computer to boot...The keyer made it really easy! Now over 133 countries worked, and 100+ are QRP (since getting the W2AGN call last August 13)! Now if I could just get some QSLs..

3. Had some real boomer Thunderstorms last night. One a little after 8PM, and a BEAUT (severe) a little after 10PM, so grounded antennas.

Maybe make up for it in the EPA TAC contest. Plan to set up the DK9SQ loop out back, and work portable.

John W2AGN

Date: Mon, 28 May 2001 15:15:11 -0400 (EDT)
From: trandall@idsi.net
To: qrp-l@Lehigh.EDU
Subject: [99032] RE: 6m NEWBIE NOTES
Message-ID: <200105281915.f4SJF7W53569@mail.idsi.net>
Mime-Version: 1.0
Content-Type: text/plain; charset="us-ascii"

Nick, WA5BDU wrote:

"Six meters has always seemed like an exotic band to me--nice that there's still something new to try after 39 years of hamming. Since making those QSO's on my HF beam, I've put up a dipole and made a couple more. You can do a lot of monitoring while hearing nothing but background noise, though. I'm finding that I hear most in the late afternoon and early evening."

Yhea, you'll hear a lot of nothing on 6 most of the time but all of a sudden it'll "pop" open and then the fun starts! I always have 6m on in the background. 2 evenings ago I'm chewing the fat on 2m simplex when all of a sudden "POP!" 6 opens and I hear a W4 in a qso. I waited for him to clear and called him and had a nice contact. The band was up & down for awhile then slammed shut. I heard him the next day around mid morning as well. The key to 6 is to ALWAYS have it on in the background because you never know when it'll open up. 6 is a BLAST, so turn it on and have some fun!

73 de Tom - KB2SMS

Tom Randall -- tprandall@idsi.net (Remove the "P" to e-mail me)
Amateur Radio: KB2SMS (Grid FN31) - ARRL / 10-10 / QRP-L #1965
Look for me on PSK31 on 14.069.5 and 28.119.5

Member: AAVSO Solar Division

My Astronomy/Ham radio site: <http://www.idsi.net/~trandall/welcome.html>

Date: Mon, 28 May 2001 13:31:31 -0600
From: "Rod Cerkoney" <n0rc@hotmail.com>
To: "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99033] more 6m NEWBIE Notes
Message-ID: <0E58gwDE4TAs0T4szGs000024ab@hotmail.com>
MIME-Version: 1.0
Content-Type: text/plain; charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Folks,

In the last message I mentioned the importance of grid squares,
they're easy to figure out. Go to the ARRL website at:

<http://www.arrl.org/locate/grid.html>

Key in your LAT/LON -- BOOMPH -- it returns your 6 character GS, I am
DN70lm.

If you don't have LAT/LON, you can use your city & state at:

<http://www.arrl.org/locate/locate.html>

(If you don't have LAT/LON, time for a GPS RCVR, check out the eTrex
from Garmin)

To learn more about Grid Squares look at

<http://www.arrl.org/locate/gridinfo.html>

ot the ARRL Operating Manual. You can also download a 1994 QST article
from the ARRL website at:

<http://www.arrl.org/files/contests/ln9404.pdf>

73, Rod N0RC
Ft Collins, CO

SuperFest 2001 14-Jul-2001

<http://www.qsl.net/n0rc/hamfest/hamfest.html>

BE THERE!

Date: Mon, 28 May 2001 14:08:44 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <bowerm@ix.netcom.com>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99034] Re: OT:FRS Suggestions
Message-ID: <002501c0e7bb\$2df363c0\$308d6bd1@microsoft>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

----- Original Message -----

From: "Michael Bower" <bowerm@ix.netcom.com>

> Do any of you have any suggestions on features that we should get or
> avoid? I don't want to spend a fortune but don't want el-cheapo's HTs
> either.

I have two sets of FRS radios. The first set is the expensive, feature laden Motorola TalkAbout TA280 SLK models. The second set is a pair of Motorola FR50's. The TalkAbouts have different ring codes, tone activated squelch and a scan feature. They cost around \$90 each. The FR50's have none of the bells and whistles, just rock solid performance and are priced at under \$100 for the pair. The TalkAbouts look "way cool" and the kids love them because they look like something out of Star Trek. The FR50's look and perform like a decent pair of UHF handhelds. Guess which pair is my favorite.

=====

Bill Jones - KD7S <><
Sanger, California

=====

Date: Mon, 28 May 2001 14:13:58 -0700
From: "Bill Jones" <kd7s@psnw.com>
To: <n2cqr@clix.pt>, "Low Power Amateur Radio Discussion" <qrp-1@Lehigh.EDU>
Subject: [99035] Re: 17mtr DSB - Modulator fixed!

Message-ID: <002601c0e7bb\$31d95080\$308d6bd1@microsoft>
MIME-Version: 1.0
Content-Type: text/plain;
charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

I'm sure there are many of us (besides myself) who would absolutely LOVE to see a schematic.

=====

Bill Jones - KD7S <><
Sanger, California

=====

----- Original Message -----

From: "Bill Meara" <n2cqqr@clix.pt>
To: "Low Power Amateur Radio Discussion" <qrp-l@Lehigh.EDU>
Sent: Monday, May 28, 2001 12:40 PM
Subject: 17mtr DSB - Modulator fixed!

> With lots of help and advice from list members, I got the modulator working
> on my homebrew 17 meter DSB rig

Date: Mon, 28 May 2001 17:28:51 -0400
From: David Beach <dbeach@blvl.igs.net>
To: <qrp-l@lehigh.edu>
Subject: [99036] Re: Class D amplifiers
Message-ID: <B7383B52.1817%dbeach@blvl.igs.net>
Mime-version: 1.0
Content-type: text/plain; charset="US-ASCII"
Content-transfer-encoding: 7bit

The article was "High Efficiency Class-E Power Amplifiers" in QST May and June 1997. It was written by a gang from Caltech and they got 300W and 500W out of the simple amps using modified NorCal 40A as a driver.

While *that* kind of power is not of much interest to most QRPers, the claimed 90% efficiency of this type of amplifier would be.

The web page mentioned in the articles,

<http://www.systems.caltech.edu/EE/Faculty/rutledge/poweramp.html>

is still working and it would appear as though you can still order some parts for the amps.

--

David Beach
VE3STI

--

David

Date: 28 May 2001 14:51:32 -0700
From: "laura halliday" <marsgal42@hotmail.com>
To: qrp-1@lehigh.edu
Subject: [99037] Re: more 6m NEWBIE Notes
Message-ID: <F685dRuYnZ1mDVRXGsN00015f41@hotmail.com>

Date: Mon, 28 May 2001 21:51:32
Mime-Version: 1.0
Content-Type: text/plain; format=flowed

Rod N0RC wrote:

>(snip...)
>If you don't have LAT/LON, you can use your city & state at:
>
><http://www.arrl.org/locate/locate.html>
>
>(If you don't have LAT/LON, time for a GPS RCVR, check out
>the eTrex from Garmin)

In much of North America, utility poles have a plaque on them that gives their location to the nearest minute. Look for numbers that look like latitude and longitude, with an extra 1 in front for west of 100 degrees. The pole out back at home says (among other things) "2259 4915".

This system is being phased out, and if the utilities are underground, there are no poles... :-)

Here in Canada, Radio Shack have had the Magellan GPS 310 on sale for a ridiculously cheap price. Needless to say, I bought one. It's 2001, and these things are so cheap now there is little excuse not to have one if you really need to know where you are.

Grid square <-> lat/lon conversion is covered in all the usual references.

My home GPS is a surplus OEM unit (Trimble Palisade - one of the white mushroom jobs). At the moment I use it to set my PC's clock *very* accurately, but intend using the 1 PPS output as an oscillator reference.

Laura Halliday VE7LDH "Que les nuages soient notre
Grid: CN89mg pied a terre..."
ICBM: 49 15.042 N 122 59.053 W - Hospital/Shafte

Get Your Private, Free E-mail from MSN Hotmail at <http://www.hotmail.com>.

Date: Mon, 28 May 2001 18:02:30 -0400
From: "NZ8J" <timcook@erinet.com>
To: <qrp-l@Lehigh.EDU>
Subject: [99038] FS: Vectronics HF/VHF Analyzer VEC-584B
Message-ID: <032501c0e7c1\$e5190360\$6122fea9@nec>
MIME-Version: 1.0
Content-Type: text/plain;
 charset="iso-8859-1"
Content-Transfer-Encoding: 7bit

Brand new, never used. never installed batteries, only applied external 12vdc to insure it worked. Can not tell from new. Same unit as the MFJ 259B that retails for \$250 or more. Will sell this for \$165 + shipping. Original box , manual
If interested please email....trades? qrp cw rigs??.....????
Thanks
Tim
NZ8J

Date: Mon, 28 May 2001 17:07:14 -0500
From: Bill Stietenroth <k5zty@juno.com>
To: qrp-l@lehigh.edu
Subject: [99039] Hollingsworth at Dayton.
Message-ID: <20010528.173054.-3895015.2.k5zty@juno.com>
MIME-Version: 1.0
Content-Type: text/plain
Content-Transfer-Encoding: 7bit

>From the ARRL Newsletter:

Hollingsworth told the crowd that amateur enforcement complaints are way down. With tongue only somewhat in cheek, Hollingsworth said "California" topped his list of enforcement issues that keep him awake at night. "If it weren't for California, amateur enforcement would be a one-day-a-week job," he said, "and we wouldn't need most of the rules."

End of QRP-L Digest 2203

